



**Science
&
Technology
Enrichment
Program**

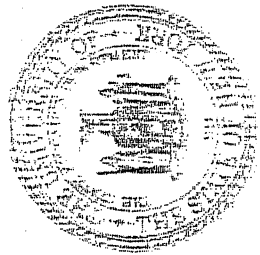
A program designed to prepare historically underrepresented minorities or economically disadvantaged 7th to 12th grade students for entry into the Science, Technology, Engineering, Mathematical, and Licensed Professions.

State University of New York at Buffalo



preparing science, technology & licensed professionals since 1986

Science & Technology Enrichment Program
Office for University Preparatory Programs
Diefendorf Annex, Room 4, Bldg 21
3435 Main Street, Buffalo, N.Y. 14214
Tel: 716.829.3474
Fax: 716.829.3655



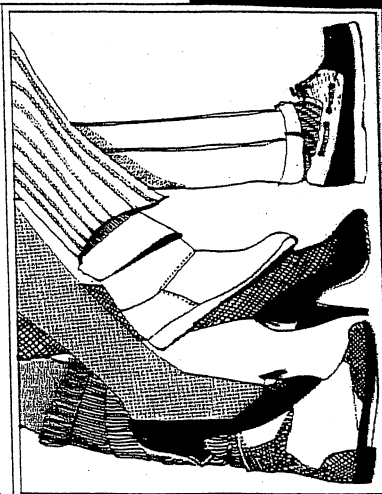
*How do I apply to
STEP?*

To receive a STEP Application, call

(716) 829-5676

From 9:00 AM to 5:00 PM

**STEP UP AT THE
UNIVERSITY OF BUFFALO**



**... Into the Science and Technology Enrichment Program.
Because when you walk out into the 21st Century
you want to be prepared.**

What is STEP?

UB STEP is a pre-collegiate preparatory program funded by the NYS Education Department. It is designed to motivate and prepare historically underrepresented middle and secondary school students for entry into Scientific, Technical, Engineering, Mathematical, and Licensed and Health-Related Professions. **Who is eligible for STEP?**

- ♦ 7th – 12 grade students who are NYS residents.
- ♦ Minorities (Black, Hispanic, Native American, Asian, or Other) and/or economically disadvantaged students.
- ♦ Students with an 80 and above grade point average who exhibit a potential for success and an interest in a career in Math, Science, Technology and Health Science areas.

What services does UB STEP provide?

We provide students with academic support, recreational activities, college and career preparation as well as a few opportunities to have interesting and exciting hands-on experiences in the STEM fields and/or Licensed Professions while interacting with professionals and college students in the targeted professions.

Academic and Supportive Services

Math: 7th/8th Grade Math, Algebra, Geometry, Algebra 2/Trigonometry, and Calculus.

Science: Physical Science, Life Science, Earth Science, Biology, Chemistry, and Physics.

Other: Reading, Writing, computer science, S.A.T. preparation, research opportunities, campus tours, field trips, as well as personalized college and career advisement.

Internships: Selected students in grades 9-12 are eligible to participate in a variety of rewarding internships. Our sites include: Rite Aid Pharmacy, Anderson Inner City Animal Clinic, Family Court of Erie County, Computers for Children, Urology Practice, Dentistry, Banks Physical Therapy and the Women's and Children's Hospital among others.

When & Where?

STEP is comprised of a non-residential six-week summer component, and two ten-week academic year tutorials sessions (fall—October to December and spring—February to April) held after school from 3:30pm—5:15 pm on the UB campus.

How successful are STEP Students?

STEP has provided academic and support services to more than 3,020 students since 1986. Our program has maintained a graduation rate of 100% and 98.5% of our students have pursued a post-secondary education.

Sample of STEP Alumni Success

Leannette Ortiz Figueroa, MD '88 (SUNY Buffalo) employed by the University at Buffalo as a *Clinical Assistant Professor*, and *Physician* at the Jefferson Family Medicine Clinic, Buffalo, NY.

Aislinn Prim, MD '88 (SUNY Buffalo) employed as a *Pediatric Physician* at Union Community Health Center, Bronx, NY

Jason Miles, Esquire '89 (Howard University Law School) employed as *Chief Rights Attorney* and *Lead Attorney* for Schwartz, Zweben & Slinbaun, LLP, Washington, DC.

Olunwale McFay '92 (Clarkson Univ.) Civil and Environmental Engineer employed as the *Chief Operating Officer* for the Sewer Authority, Buffalo, NY

Carrie Johnson, MD, MPH '93 (SUNY Buffalo), employed in *Obstetrics and Gynecology* with the medical practice of Maternal Gynetrations, P.C in Lawrenceville, GA

Tiffany Noble '93 (Rochester Institute of Technology) employed as a *Senior Product Reliability Engineer* for Qimonda located outside of Richmond, VA

Carl McGunder '96 (Brookport State College), employed as an *IT Consultant* by the Obama Administration, White House, Washington, DC

Tajuanar Noble '96 (John Hopkins University) employed as a *Biomedical Researcher* for the Food and Drug Administration, Rockville, MD

Lynn Semere, MD '97 (Harvard Medical School) employed in *Obstetrics and Gynecology* at Brigham and Women's Hospital, Boston, MA

Lavone Rotolph '01 (SUNY Buffalo) employed as an *Embedded Software Engineer* at Northrop Grumman, Buffalo, NY.

Fonzell James, Esquire '09 (Albany Law School) appointed to the Board of Trustee's at Albany Law School. Additionally, he is employed as the *Assistant Director of the Science and Technology* of Law at Syracuse University.

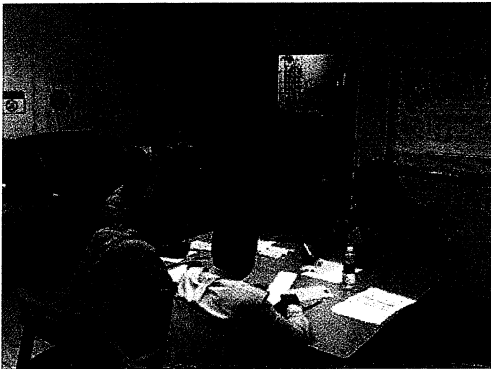
University at Buffalo

Science & Technology Enrichment Program

Fall Session 2015

INNOVATIVE EDUCATIONAL EXPERIENCES

UB STEP offers innovative educational experiences tailored to the unique needs of students traditionally underrepresented in the Science, Technology, Engineering, & Mathematics (STEM) fields of post secondary education and professions population.



Exploration of Science, Math,
Engineering & Technology
through application and coursework

Participation in science labs, research and field trips to provide exposure, encouragement and enhanced academic experiences. UB STEP is committed to enriching students lives through, academics, culture, community service and social skill development.

SEEKING 7-11 GRADE STUDENTS

- Academic Rigor and support services offered on University at Buffalo South Campus
- Preparation for exams and tutorial sessions during the school year
- Challenging applied science activities
- Enrichment activities
- Academic competitions
- Saturday Academy
- Service Learning Opportunities
- Exposure to careers in the licensed professions

The University at Buffalo's Science and Technology Enrichment Program (UB STEP), has been serving students enrolled in grades 7 through 12 who are members of underrepresented minority groups and/or economically disadvantaged since 1986. The principal focus of our program is to motivate, support and prepare students to pursue careers in the Sciences, Technology, Engineering, Mathematics, (STEM) professions through post secondary education.

For Fall 2015 UB STEP will provide a rigorous, pre-collegiate summer program for talented high school students who have an interest in the STEM professions such as;

Dentistry, Massage Therapy, Engineering, Architecture, Athletic Training, Chiropractic, Midwifery, Nursing, Optometry, Physical Therapy, Pharmacy and many more.

Contact our office for an application.

State University of New York at Buffalo

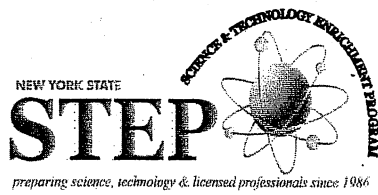


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Phone: 716.829.5676

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www.stepforleaders.org



STUDENT APPLICATION FALL SESSION

Student Name: _____ Last 4 digits of Soc. Sec _____
(FIRST) (M.I.) (LAST)

Mailing Address: _____ Phone Number: _____
(STREET & APT. #) (HOME)

(CITY, STATE & ZIP) (STUDENT CELL & CELL CARRIER FOR EMAIL PURPOSES)

Student Email Address: _____ D.O.B.: ___/___/___ Sex: M F

New York State Resident: Y N Country of Birth, if other than U.S.A.: _____

Does your child receive or qualify for reduced cost or free lunches? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Ethnicity: Native American Indian/Alaskan Native <input type="checkbox"/> African American <input type="checkbox"/>
	Hispanic/Latino <input type="checkbox"/> Bi-Racial <input type="checkbox"/> Asian <input type="checkbox"/>
	White <input type="checkbox"/> Other <input type="checkbox"/>

Student's School Attending in FALL 2015: _____ Current GPA: _____

Student's Previous School Attended in SPRING 2015: _____

Student's Class Year in FALL 2015: _____ (i.e. 7th, 8th, 12th, etc.)

Parent(s)/Guardian(s) Name: _____
(FIRST, LAST)

Mailing Address: _____ Phone Number: _____
(STREET & APT. #) (HOME)

(CITY, STATE & ZIP) (MOTHER/GUARDIAN'S CELL & CELL CARRIER FOR EMAIL PURPOSES)

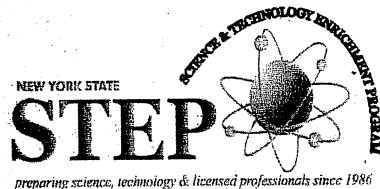
Mother/Guardian's Email Address: _____
(FATHER/GUARDIAN'S CELL & CELL CARRIER FOR EMAIL PURPOSES)

Father/Guardian's Email Address: _____

Emergency Contact Name: _____ Relationship: _____
(FIRST, LAST)

Emergency Contact Cellphone Number: _____

Please attach a copy of the students latest report card with this application
Your application report card, personal statement (page 2) and health appraisal form must be received before your application will be considered complete and submitted for enrollment consideration




STUDENT APPLICATION FALL SESSION PAGE 2

CONSENT & CERTIFICATION

Parent/Guardian's Name(s):	
Student's Name:	
<p>I give permission for my son/daughter/ward (listed above) to participate in the Science and Technology Enrichment Program (UB STEP) at the University at Buffalo. I understand that they will be expected to participate in a variety of field trips on the north and south campuses of the University at Buffalo, as well as other local and regional venues and college campuses. I hereby give permission for my son/daughter/ward to participate in all UB STEP field trips, tours and events.</p> <p>I authorize the UB STEP Program's administration to obtain and review copies of my son/daughter/ward's complete educational transcript, standardized test scores and/or report cards. I understand that such records will be used in planning appropriate support services for my son/daughter/ward, and that all information will remain confidential.</p> <p>I understand that enrolling my son/daughter/ward in UB STEP automatically gives UB STEP permission to publish my child's photograph in any and all media/internet outlets deemed pertinent in order to promote the UB STEP program and to share the student's name and contact information with other C/STEP programs and college/university admissions offices.</p> <p>I hereby certify that the information disclosed herein is true and correct. I understand that it is given for the receipt of governmental funds, and the United States Department of Education and/or the New York State Department of Education reserves the right to verify part or all of the data in this application.</p>	
Parent/Guardian Signature:	Date:

PERSONAL STATEMENT & APPAREL

 <p>Please submit a <u>typewritten</u> statement answering all of the following questions using a maximum of 400 words.</p> <ol style="list-style-type: none">(1) What are your educational and career goals?(2) How will/has participating in the STEP program help(ed) you attain your goals?(3) Provide a subject or topic you are curious about and want to explore. Explain why.(4) Why is there a need for more students to study STEM professions?(5) Provide 3 examples of STEM professions and describe what they do on the job.(6) If you have attended STEP previously explain why you would like to return. <p>Students enrolled will receive one T-shirt. All students will be expected to wear it on each Field Trip Day. Please circle the appropriate size for your child's T-shirt size.</p> <p>Adult Size: SMALL MEDIUM LARGE X-LARGE XX-LARGE</p>
